

A graph titled "FORCE vs. DISPLACEMENT" showing the relationship between Force $F(x)$ and Displacement x (μm). The y-axis ranges from -60 to 80, and the x-axis ranges from 0 to 40. The curve starts at (0,0), reaches a maximum force of approximately 68 at $x \approx 8$ (labeled 30), crosses the x-axis at $x \approx 20$ (labeled 32), reaches a minimum force of approximately -38 at $x \approx 28$ (labeled 34), and then rises sharply towards 80 at $x \approx 38$.



REPLACEMENT SHEET

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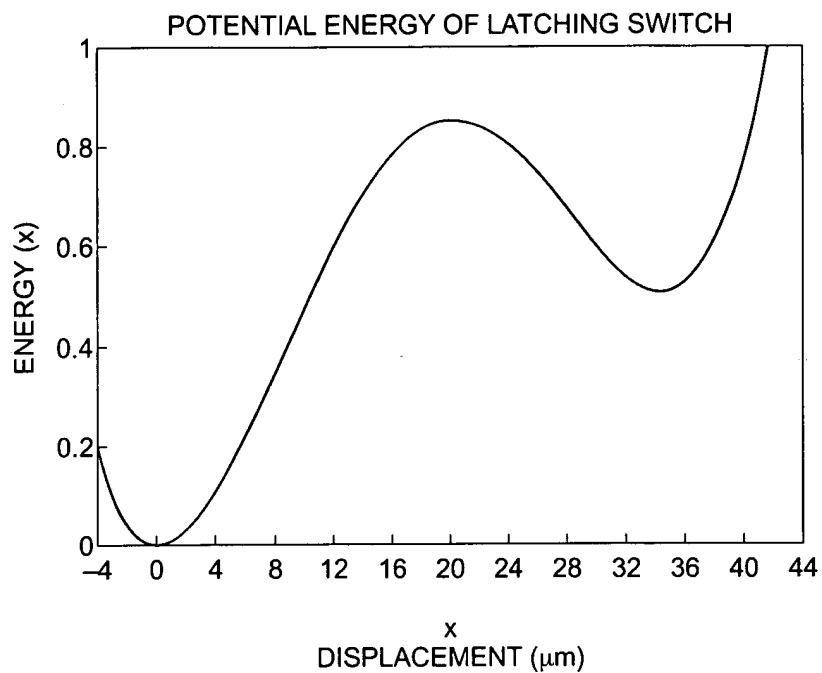


FIG. 1C

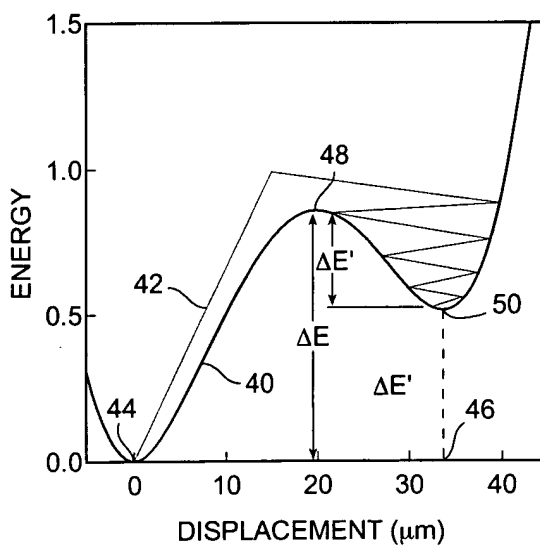
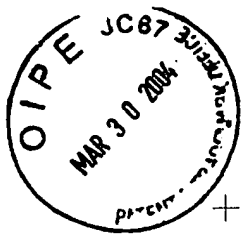


FIG. 2A

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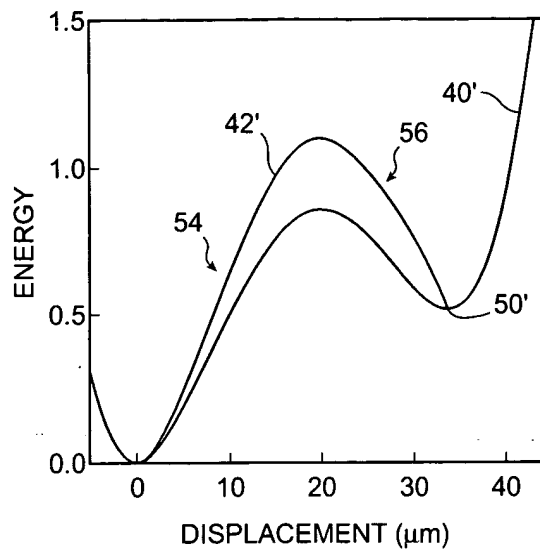


FIG. 2B

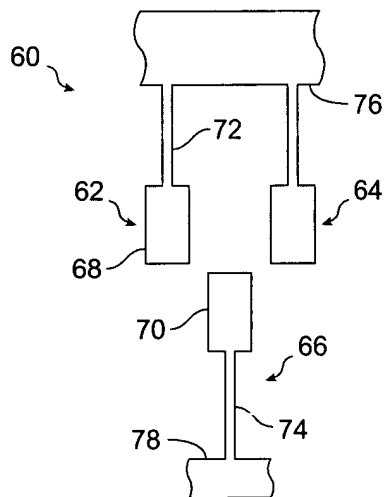


FIG. 3A

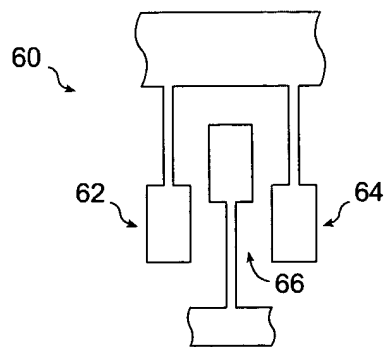
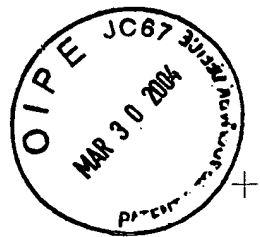


FIG. 3B

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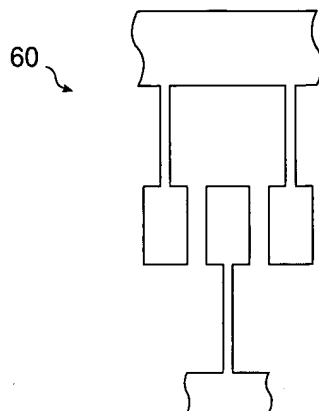


FIG. 3C

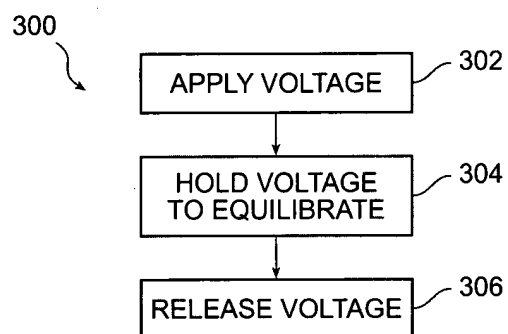


FIG. 3D

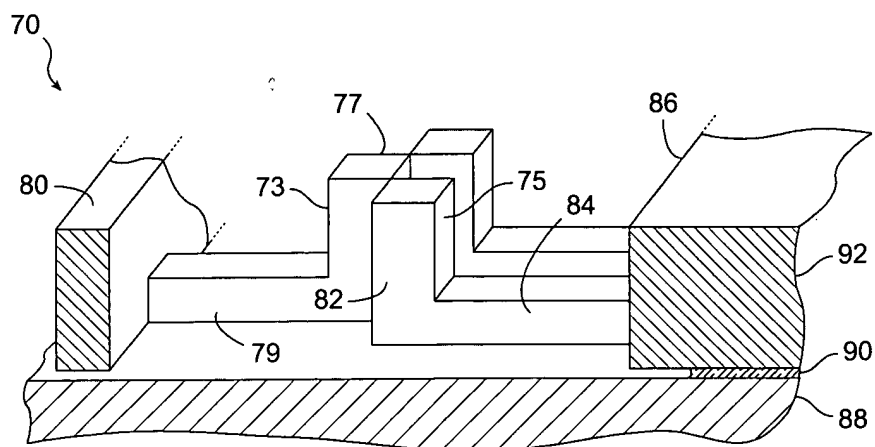


FIG. 3E

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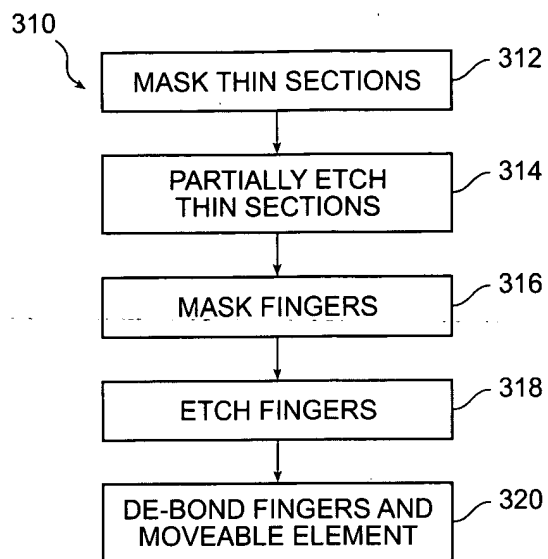


FIG. 3F

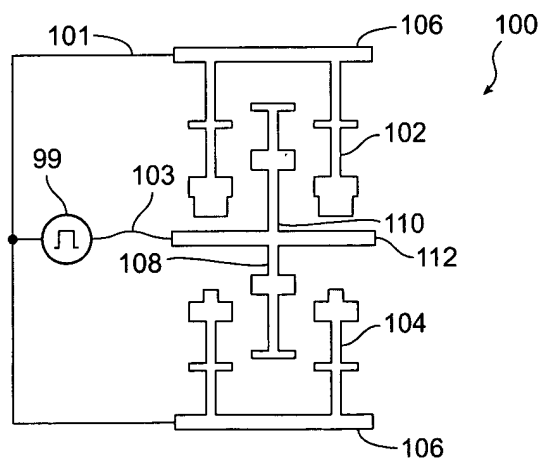


FIG. 4A

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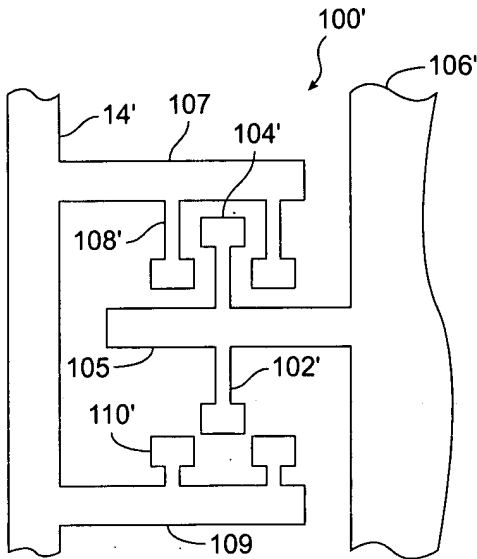


FIG. 4B

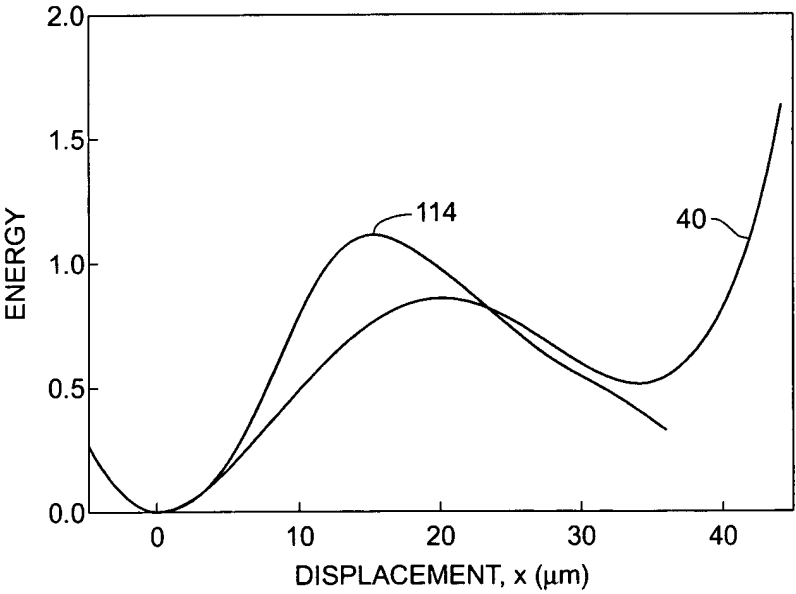


FIG. 4C



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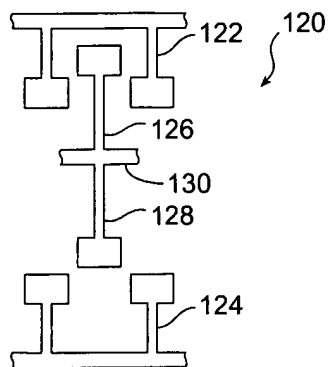


FIG. 5A

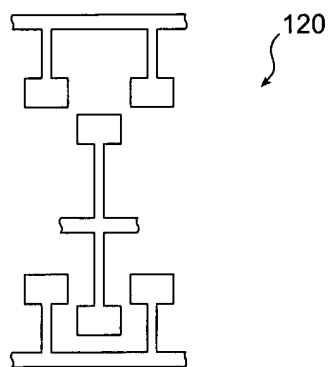


FIG. 5B

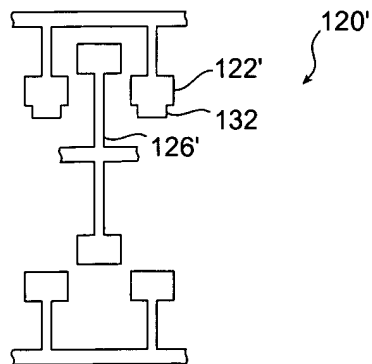


FIG. 5C

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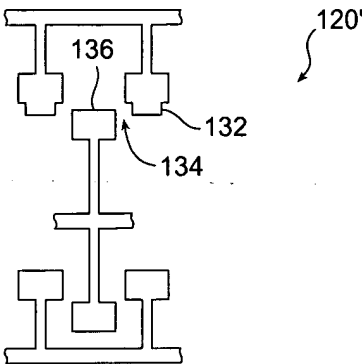


FIG. 5D

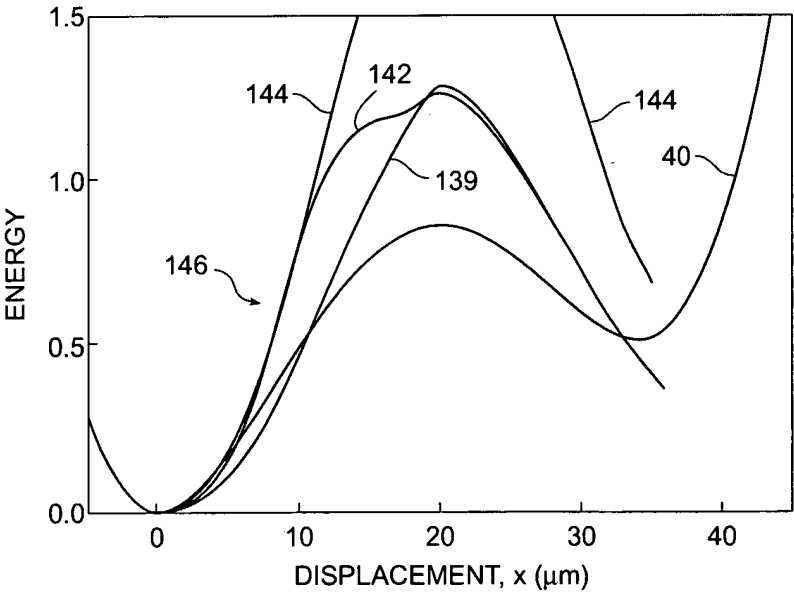


FIG. 5E



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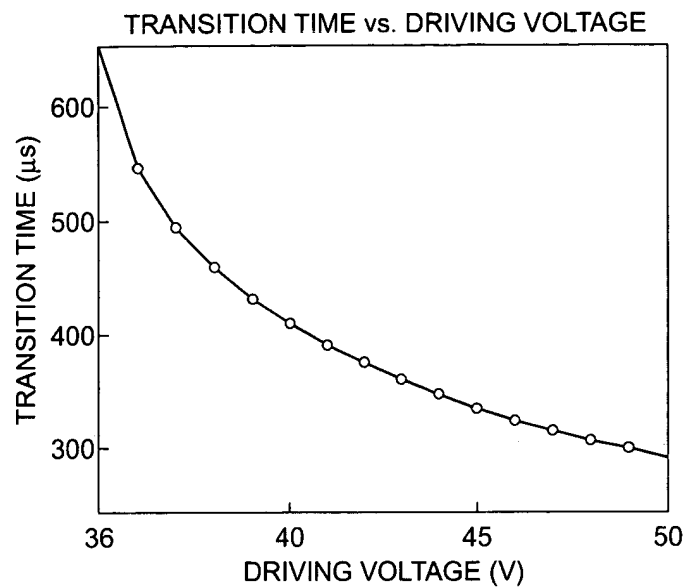


FIG. 6A

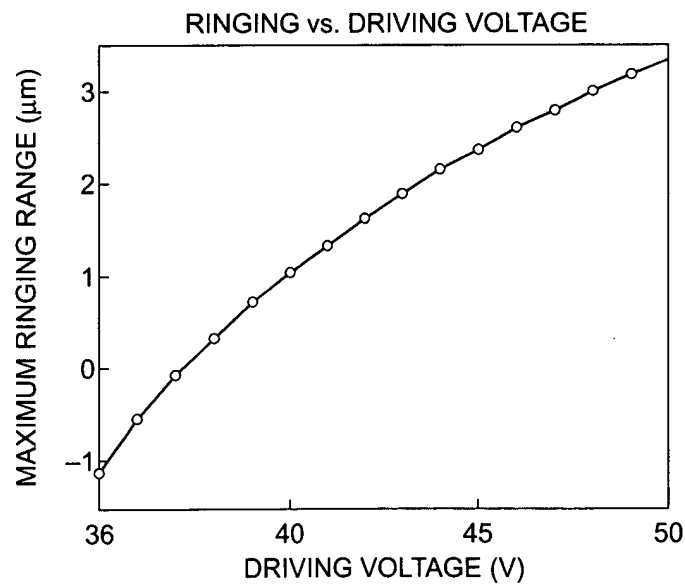


FIG. 6B

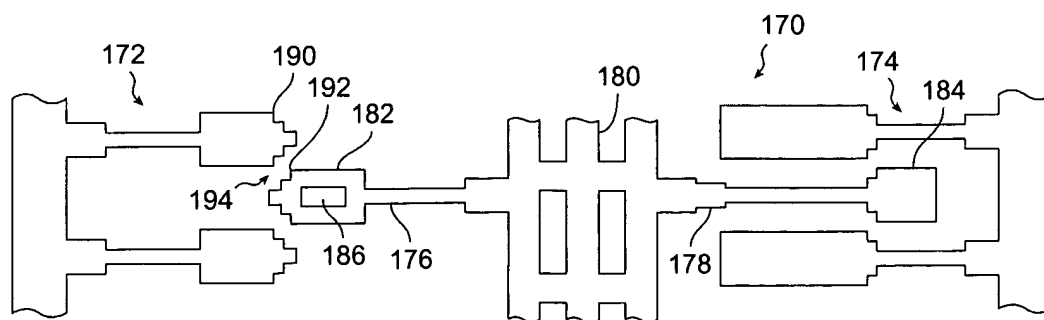


FIG. 7

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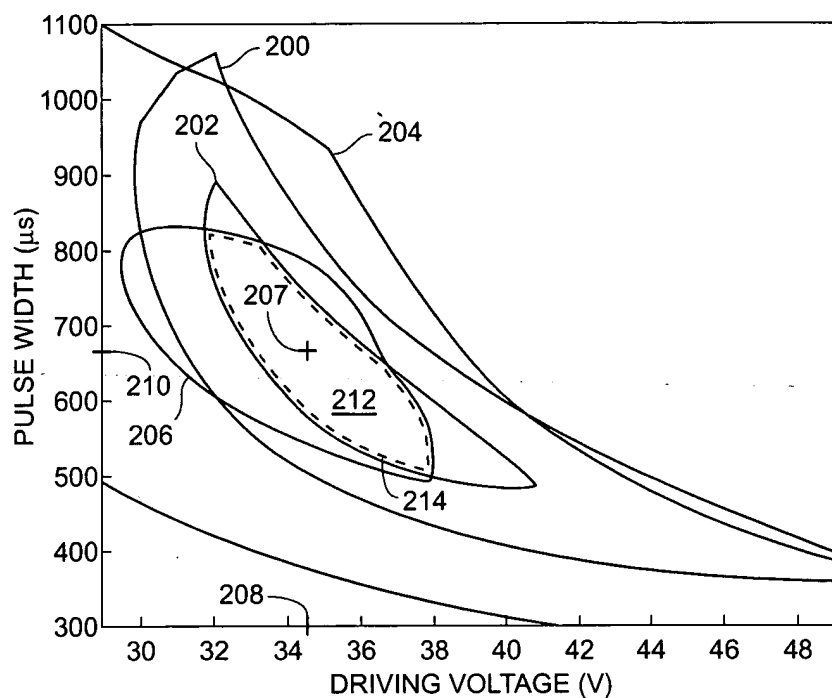


FIG. 8A

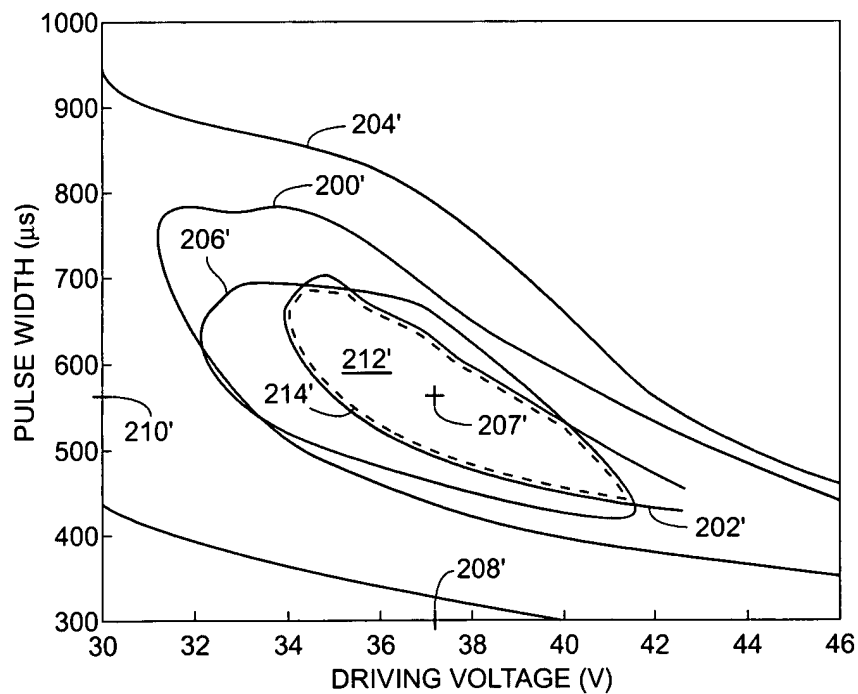


FIG. 8B



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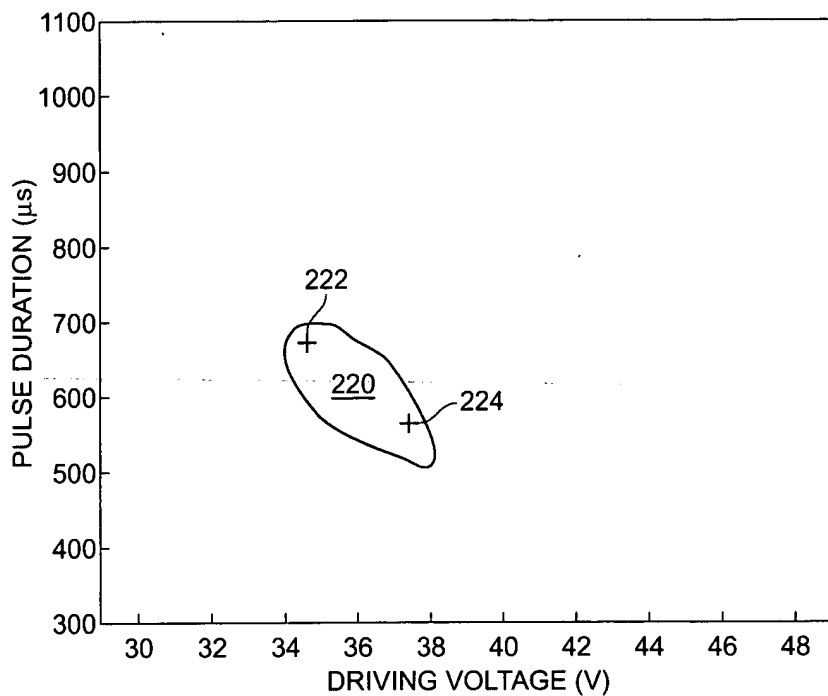


FIG. 8C

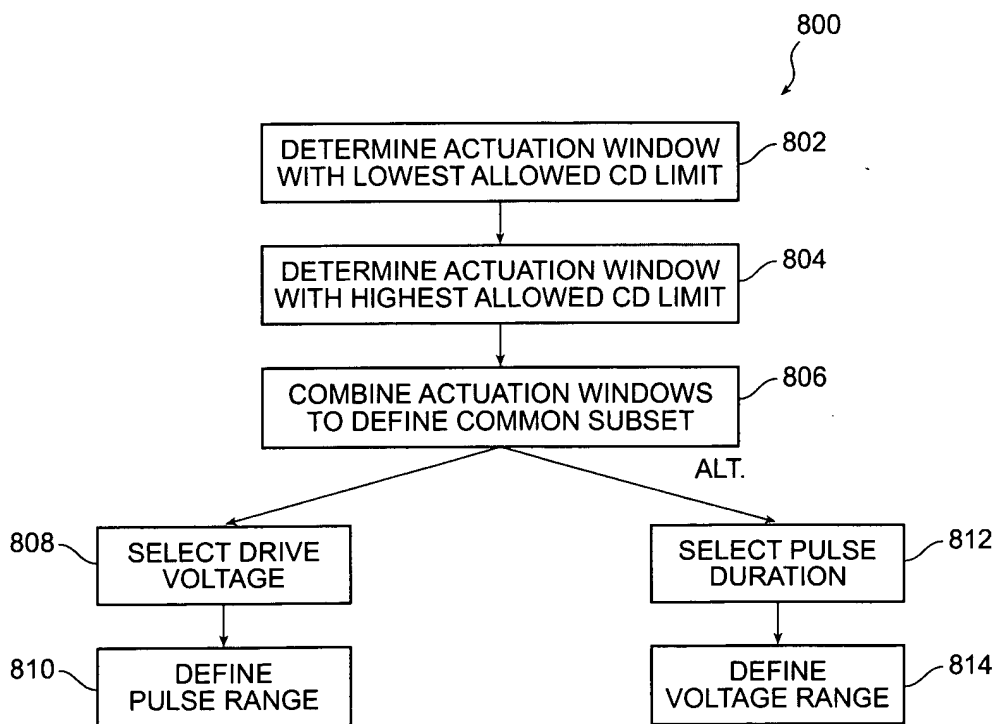


FIG. 8B